

## **Basic JAVA----**

- 1. Write a Java program to divide two numbers and print them on the screen.**

**Test Data :**

**50/3**

***Expected Output :***

**16**

- 2. Write a Java program to print the results of the following operations.**

***Test Data:***

**a.  $-5 + 8 * 6$**

**b.  $(55+9) \% 9$**

**c.  $20 + -3*5 / 8$**

**d.  $5 + 15 / 3 * 2 - 8 \% 3$**

***Expected Output :***

**43**

**1**

**19**

**13**

- 3. Write a Java program that takes two numbers as input and displays the product of two numbers.**

***Test Data:***

**Input first number: 25**

**Input second number: 5**

***Expected Output :***

**25 x 5 = 125**

- 4. Write a Java program that takes a number as input and prints its multiplication table up to 10.**

***Test Data:***

**Input a number: 8**

***Expected Output :***

**8 x 1 = 8**

**8 x 2 = 16**

**8 x 3 = 24**

**...**

**8 x 10 = 80**

**5. Write a Java program to print the area and perimeter of a circle.**

***Test Data:***

**Radius = 7.5**

***Expected Output***

**Perimeter is = 47.12388980384689**

**Area is = 176.71458676442586**

**6. Write a Java program that takes three numbers as input to calculate and print the average of the numbers.**

**7. Write a Java program to print an American flag on the screen.**

***Expected Output***

```
* * * * * * =====
* * * * * * =====
* * * * * * =====
* * * * * * =====
* * * * * * =====
* * * * * * =====
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* * * * * * =====
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```

**8. Write a Java program to convert an integer number to a binary number.**

***Input Data:***

**Input a Decimal Number : 5**

***Expected Output***

**Binary number is: 101**

**9. Write a Java program to convert a binary number to a decimal number.**

***Input Data:***

**Input a binary number: 100**

***Expected Output***

**Decimal Number: 4**

10. Write a Java program and compute the sum of an integer's digits.

Input Data:

Input an integer: 25

*Expected Output*

The sum of the digits is: 7

11. Write a Java program to count letters, spaces, numbers and other characters in an input string.

*Expected Output*

The string is : Aa kiu, I swd skieo 236587. GH kiu: sieo??

25.33

letter: 23

space: 9

number: 10

other: 6

12. Write a Java program to print the ASCII value of a given character.

*Expected Output*

The ASCII value of Z is :90

13. Write a Java program to input and display your password.

*Expected Output*

Input your Password:

Your password was: abc@123

14. Write a Java program to print numbers between 1 and 100 divisible by 3, 5 and both.

*Sample Output:*

Divided by 3:

3, 6, 9, 12, 15, 18, 21, 24, 27, 30, 33, 36, 39, 42, 45, 48, 51, 54,  
57

, 60, 63, 66, 69, 72, 75, 78, 81, 84, 87, 90, 93, 96, 99,

Divided by 5:

5, 10, 15, 20, 25, 30, 35, 40, 45, 50, 55, 60, 65, 70, 75, 80, 85,  
90,  
95,

Divided by 3 & 5:

15, 30, 45, 60, 75, 90,

15. Write a Java program to reverse a string.

Input Data:

**Input a string: The quick brown fox**  
***Expected Output***  
**Reverse string: xof nworb kciuq ehT**